

PTO/SB/21 (04-04)

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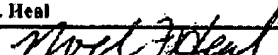
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|---|----------------------|------------------------|----------|
| <b>TRANSMITTAL FORM</b><br>(to be used for all correspondence after initial filing) | Application Number   | 09/599,150             |          |
|   | Filing Date          | 06/21/2000             |          |
|   | First Named Inventor | Stuart T. Linsky       |          |
|   | Art Unit             | 2663                   |          |
|   | Examiner Name        | Derrick W. Ferris      |          |
| Total Number of Pages in This Submission  | 13                   | Attorney Docket Number | 22-0133C |

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| <input checked="" type="checkbox"/> Amendment / Reply                        | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert a Provisional Application                  | <input type="checkbox"/> Proprietary Information  |
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| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Terminal Disclaimer  | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
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| <input type="checkbox"/> Information Disclosure Statement                    | <input type="checkbox"/> CD, Number of CD(s) _____                                      |   |
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| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   | Transmitted by facsimile to (703) 872-9306  |   |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |   |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |
|--|---|
| Firm or Individual name                    | Noel F. Heal, Reg. No. 26,074<br>Northrop Grumman Space Technology                  |
| Signature                                  |  |
| Date                                       | November 12, 2004   |

| CERTIFICATE OF TRANSMISSION/MAILING   |   |                     |
|---|---|---------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the |   |                     |
| Typed or printed name   | Noel F. Heal  |                     |
| Signature   |  | Date: Nov. 12, 2004 |

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PTO/SB/17 (10-03)

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**FEE TRANSMITTAL  
for FY 2005**

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$88.00

**Complete if Known**

|                      |                   |
|----------------------|-------------------|
| Application Number   | 09/599,150        |
| Filing Date          | 06/21/2000        |
| First Named Inventor | Stuart T. Linsky  |
| Examiner Name        | Derrick W. Ferris |
| Art Unit             | 2663              |
| Attorney Docket No.  | 22-0133C          |

| METHOD OF PAYMENT (check all that apply)   |                            | FEE CALCULATION (continued)  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
|--|----------------------------|--|----------------------------|----------------------------|----------------------------|-----------------|----------|--------------------|---------|-------------------------------------|----------|-------------------|---------|--|----------|------------------|----------|-----------------------------|----------|--------------------|------------|---|---------|------------------------|-----------|--|--|-------------|-------------|---|--|--------------|--------------|--|----------|----------|----------|---|------|--------------------|----------|--|-------|--------------------|----------|---|--|----------------------------|----------------------------|--|----------|----------|----------|------------------------|--|----------|----------|--|--|----------|----------|---------------------------------------|--|------------|------------|--|--|----------|---------|--|--|--------------|----------|------------------------------------|---------|------------|----------|--------------------------------|--|----------|----------|------------------|--|----------|----------|-----------------|--|----------|----------|-------------------------------|--|---------|---------|---------------------------------------|--|----------|----------|--|--|---------|---------|--|--|----------|----------|---|--|----------|----------|--|--|----------|----------|---|--|----------|----------|---|--|---------------------|--|--|--|
| <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><input checked="" type="checkbox"/> Deposit Account:<br>Deposit Account Number: 14-1325<br>Deposit Account Name: Northrop Grumman Corporation<br>The Director is authorized to: (check all that apply)<br><input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments<br><input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. |                            | <b>3. ADDITIONAL FEES</b><br><table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051 130</td> <td>2051 65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052 50</td> <td>2052 25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053 130</td> <td>2053 130</td> <td>Non - English specification</td> <td></td> </tr> <tr> <td>1812 2,520</td> <td>1812 2,520</td> <td>For filing a request for ex parte reexamination</td> <td></td> </tr> <tr> <td>1804 820*</td> <td>1804 820*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805 1,840*</td> <td>1805 1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251 110</td> <td>2251 55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252 430</td> <td>2252 215</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253 980</td> <td>2253 490</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254 1,530</td> <td>2254 765</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255 2,080</td> <td>2255 1,040</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401 340</td> <td>2401 170</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402 340</td> <td>2402 170</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403 300</td> <td>2403 150</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451 1,510</td> <td>1451 1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452 110</td> <td>2452 55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453 1,370</td> <td>2453 685</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501 1,370</td> <td>2501 685</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502 490</td> <td>2502 245</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503 660</td> <td>2503 330</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460 130</td> <td>1460 130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807 50</td> <td>1807 50</td> <td>Processing fee under 37 CFR § 1.17(q)</td> <td></td> </tr> <tr> <td>1806 180</td> <td>1806 180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>8021 40</td> <td>8021 40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>1809 790</td> <td>2809 395</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>1810 790</td> <td>2810 395</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>1801 790</td> <td>2801 395</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802 900</td> <td>1802 900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="2">Other fee (specify)</td> <td></td> <td></td> </tr> </tbody> </table> |                            | Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid | 1051 130           | 2051 65 | Surcharge - late filing fee or oath |          | 1052 50           | 2052 25 | Surcharge - late provisional filing fee or cover sheet |          | 1053 130         | 2053 130 | Non - English specification |          | 1812 2,520         | 1812 2,520 | For filing a request for ex parte reexamination |         | 1804 820*              | 1804 820* | Requesting publication of SIR prior to Examiner action |  | 1805 1,840* | 1805 1,840* | Requesting publication of SIR after Examiner action   |  | 1251 110     | 2251 55      | Extension for reply within first month |          | 1252 430 | 2252 215 | Extension for reply within second month |      | 1253 980           | 2253 490 | Extension for reply within third month |       | 1254 1,530         | 2254 765 | Extension for reply within fourth month |  | 1255 2,080                 | 2255 1,040                 | Extension for reply within fifth month |          | 1401 340 | 2401 170 | Notice of Appeal       |  | 1402 340 | 2402 170 | Filing a brief in support of an appeal |  | 1403 300 | 2403 150 | Request for oral hearing              |  | 1451 1,510 | 1451 1,510 | Petition to institute a public use proceeding      |  | 1452 110 | 2452 55 | Petition to revive - unavoidable                           |  | 1453 1,370   | 2453 685 | Petition to revive - unintentional |         | 1501 1,370 | 2501 685 | Utility issue fee (or reissue) |  | 1502 490 | 2502 245 | Design issue fee |  | 1503 660 | 2503 330 | Plant issue fee |  | 1460 130 | 1460 130 | Petitions to the Commissioner |  | 1807 50 | 1807 50 | Processing fee under 37 CFR § 1.17(q) |  | 1806 180 | 1806 180 | Submission of Information Disclosure Statement |  | 8021 40 | 8021 40 | Recording each patent assignment per property (times number of properties) |  | 1809 790 | 2809 395 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 1810 790 | 2810 395 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 1801 790 | 2801 395 | Request for Continued Examination (RCE) |  | 1802 900 | 1802 900 | Request for expedited examination of a design application |  | Other fee (specify) |  |  |  |
| Large Entity Fee Code (\$)   | Small Entity Fee Code (\$) | Fee Description  | Fee Paid                   |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1051 130   | 2051 65                    | Surcharge - late filing fee or oath  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1052 50  | 2052 25                    | Surcharge - late provisional filing fee or cover sheet   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1053 130   | 2053 130                   | Non - English specification  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1812 2,520   | 1812 2,520                 | For filing a request for ex parte reexamination  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1804 820*  | 1804 820*                  | Requesting publication of SIR prior to Examiner action   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1805 1,840*  | 1805 1,840*                | Requesting publication of SIR after Examiner action  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1251 110   | 2251 55                    | Extension for reply within first month   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1252 430   | 2252 215                   | Extension for reply within second month  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1253 980   | 2253 490                   | Extension for reply within third month   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1254 1,530   | 2254 765                   | Extension for reply within fourth month  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1255 2,080   | 2255 1,040                 | Extension for reply within fifth month   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1401 340   | 2401 170                   | Notice of Appeal   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1402 340   | 2402 170                   | Filing a brief in support of an appeal   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1403 300   | 2403 150                   | Request for oral hearing   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1451 1,510   | 1451 1,510                 | Petition to institute a public use proceeding  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1452 110   | 2452 55                    | Petition to revive - unavoidable   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1453 1,370   | 2453 685                   | Petition to revive - unintentional   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1501 1,370   | 2501 685                   | Utility issue fee (or reissue)   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1502 490   | 2502 245                   | Design issue fee   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1503 660   | 2503 330                   | Plant issue fee  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1460 130   | 1460 130                   | Petitions to the Commissioner  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1807 50  | 1807 50                    | Processing fee under 37 CFR § 1.17(q)  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1806 180   | 1806 180                   | Submission of Information Disclosure Statement   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 8021 40  | 8021 40                    | Recording each patent assignment per property (times number of properties)   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1809 790   | 2809 395                   | Filing a submission after final rejection (37 CFR § 1.129(a))  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1810 790   | 2810 395                   | For each additional invention to be examined (37 CFR § 1.129(b))   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1801 790   | 2801 395                   | Request for Continued Examination (RCE)  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1802 900   | 1802 900                   | Request for expedited examination of a design application  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| Other fee (specify)  |                            |  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| <b>1. BASIC FILING FEE</b><br><table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001 790</td> <td>2001 395</td> <td>Utility filing fee</td> <td></td> </tr> <tr> <td>1002 350</td> <td>2002 175</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003 550</td> <td>2003 275</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004 790</td> <td>2004 395</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005 160</td> <td>2005 80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="2">SUBTOTAL (1)</td> <td>(\$)</td> <td></td> </tr> </tbody> </table>          |                            | Large Entity Fee Code (\$)   | Small Entity Fee Code (\$) | Fee Description            | Fee Paid                   | 1001 790        | 2001 395 | Utility filing fee |         | 1002 350                            | 2002 175 | Design filing fee |         | 1003 550   | 2003 275 | Plant filing fee |          | 1004 790                    | 2004 395 | Reissue filing fee |            | 1005 160  | 2005 80 | Provisional filing fee |           | SUBTOTAL (1)   |  | (\$)        |             | <b>2. EXTRA CLAIM FEES FOR UTILITY AND</b><br><table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>19</td> <td>20**</td> <td>0 X 18.00</td> <td>0.00</td> </tr> <tr> <td>Independent Claims</td> <td>4 - 3**</td> <td>1 X 88.00</td> <td>88.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1202 18</td> <td>2202 9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>1201 88</td> <td>2201 44</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>1203 300</td> <td>2203 150</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>1204 88</td> <td>2204 44</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>1205 18</td> <td>2205 9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="2">SUBTOTAL (2)</td> <td>(\$)</td> <td>\$88.00</td> </tr> </tbody> </table> |  | Total Claims | Extra Claims | Fee from below                         | Fee Paid | 19       | 20**     | 0 X 18.00                               | 0.00 | Independent Claims | 4 - 3**  | 1 X 88.00                              | 88.00 | Multiple Dependent |          |   |  | Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description                        | Fee Paid | 1202 18  | 2202 9   | Claims in excess of 20 |  | 1201 88  | 2201 44  | Independent claims in excess of 3      |  | 1203 300 | 2203 150 | Multiple dependent claim, if not paid |  | 1204 88    | 2204 44    | ** Reissue independent claims over original patent |  | 1205 18  | 2205 9  | ** Reissue claims in excess of 20 and over original patent |  | SUBTOTAL (2) |          | (\$)                               | \$88.00 |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| Large Entity Fee Code (\$)   | Small Entity Fee Code (\$) | Fee Description  | Fee Paid                   |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1001 790   | 2001 395                   | Utility filing fee   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1002 350   | 2002 175                   | Design filing fee  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1003 550   | 2003 275                   | Plant filing fee   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1004 790   | 2004 395                   | Reissue filing fee   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1005 160   | 2005 80                    | Provisional filing fee   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| SUBTOTAL (1)   |                            | (\$)   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| Total Claims   | Extra Claims               | Fee from below   | Fee Paid                   |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 19   | 20**                       | 0 X 18.00  | 0.00                       |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| Independent Claims   | 4 - 3**                    | 1 X 88.00  | 88.00                      |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| Multiple Dependent   |                            |  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| Large Entity Fee Code (\$)   | Small Entity Fee Code (\$) | Fee Description  | Fee Paid                   |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1202 18  | 2202 9                     | Claims in excess of 20   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1201 88  | 2201 44                    | Independent claims in excess of 3  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1203 300   | 2203 150                   | Multiple dependent claim, if not paid  |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1204 88  | 2204 44                    | ** Reissue independent claims over original patent   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| 1205 18  | 2205 9                     | ** Reissue claims in excess of 20 and over original patent   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| SUBTOTAL (2)   |                            | (\$)   | \$88.00                    |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |
| **or number previously paid, if greater. For Reissues, see above.  |                            | SUBTOTAL (3) (\$)<br>*Reduced by Basic Filing Fee Paid   |                            |                            |                            |                 |          |                    |         |                                     |          |                   |         |  |          |                  |          |                             |          |                    |            |   |         |                        |           |  |  |             |             |   |  |              |              |  |          |          |          |   |      |                    |          |  |       |                    |          |   |  |                            |                            |  |          |          |          |                        |  |          |          |  |  |          |          |                                       |  |            |            |  |  |          |         |  |  |              |          |                                    |         |            |          |                                |  |          |          |                  |  |          |          |                 |  |          |          |                               |  |         |         |                                       |  |          |          |  |  |         |         |  |  |          |          |   |  |          |          |  |  |          |          |   |  |          |          |   |  |                     |  |  |  |

| SUBMITTED BY      |                     | Complete (if applicable) |                |
|-------------------|---------------------|--------------------------|----------------|
| Name (Print/Type) | Noel F. Heal        | Registration No.         | 26,074         |
| Signature         | <i>Noel F. Heal</i> | Telephone                | (310) 812-4910 |
|                   |                     | Date                     | Nov. 12, 2004  |

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Stuart T. Linsky et al.

Appl. No.: 09/599,150

Filed: June 21, 2000

BEAM HOPPING SELF ADDRESSED  
COMMUNICATION SYSTEM WITH  
MULTIPLE BEAM ARRAY ANTENNA

Examiner: Derrick W. Ferris

Group Art Unit: 2663

Attorney Docket No. 22-0133C

**STATEMENT CONCERNING COMMON OWNERSHIP**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

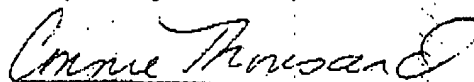
Sir:

This statement is filed in support of a response to the Office action dated August 12, 2004.

This Application No. 09/599,150 and the application from which Patent No. 6,738,346 matured as a patent were, at the time the invention of Application No. 09/599,150 was made, both owned by TRW Inc., as evidenced by assignments recorded in the Patent and Trademark Office under Reel/Frame 011243/0703 and Reel/Frame 9806/0941. Both this application 09/599,150 and Patent No. 6,738,346 were later assigned to Northrop Grumman Corporation, as evidenced by an assignment recorded in the Patent and Trademark Office under Reel/Frame 013751/0849.

Respectfully submitted,

Date: November 12, 2004



Connie M. Thousand  
Reg. No. 43,191, Attorney of Record

\*\*\* TOTAL PAGE. 01 \*\*\*